

Patent Claims

1. Wiper device (1) to wipe a windshield (5) of a motor vehicle with a wiper arm (10) and two connecting rod levers (8), wherein the connecting rod levers (8) are connected to the wiper arm (10) in a plane at fastening points (9) so they can move rotationally, wherein at least one of the connecting rod levers (8) is executed to be elastic essentially perpendicular to the wiper plane in order to effect a pressure force from the wiper arm (10) on the windshield.
2. Wiper device (1) according to Claim 1, wherein one of the connecting rod levers (8) is a drive lever (81) and another of the connecting rod levers (8) is a control lever (82), wherein the wiper arm (10) is moved by swiveling the drive lever (81) around a swivel axis (11).
3. Wiper device (1) according to Claim 1 or 2, wherein the wiper arm is designed to be non-articulated.
4. Wiper device according to one of Claims 1 through 3, wherein at least one of the connecting rod levers (8) is pre-stressed in an installed state.
5. Wiper device (1) according to one of Claims 1 through 4, wherein the wiper arm (10) is connected to a wiper blade (12) via a swivel joint.
6. Wiper device (1) according to one of Claims 1 through 5, wherein the connecting rod levers (8) each feature a fold-out mechanism in order to swivel the wiper arm (10) into a maintenance position [so] that a wiper blade (12) connected to the wiper arm (10) can be serviced or replaced, wherein the connecting rod levers (8) are designed such that in the maintenance position they are able to project at an angle from the wiper plane so the wiper arm (10) is accessible.

7. Wiper device (1) according to Claim 6, wherein the connecting rod levers each feature a snap-in device (17) in order to hold the connecting rod levers (8) in the maintenance position, wherein the connecting rod levers are designed such that they are able to exit the maintenance position by moving the connecting rod levers back into the wiper plane with a restoring force.
8. Wiper device (1) according to one of Claims 1 through 7, wherein the fastening parts of the connecting rod levers (8) and/or the connecting rod levers (8) are manufactured of a deep-drawing material.
9. Wiper device (1) according to one of Claims 1 through 8, wherein the connecting rod levers (8) are coupled with the wiper arm (10) at the fastening points with a caulked fastening element (16).
10. Wiper device according to one of Claims 1 through 9, wherein at least one of the connecting rod levers (8) is provided with a first cross-section in a first section facing the swivel axis and a second smaller cross-section in a second section facing the fastening point in order to adjust the pressure force.